

### Remarks

Claims 1-20 are pending. Applicant respectfully submits that the pending claims are in condition for allowance for at least the reasons and arguments set forth below, none of which should be construed to acquiesce in any way or to leave undisputed any position articulated or relied upon by the Examiner, including any implications thereof.

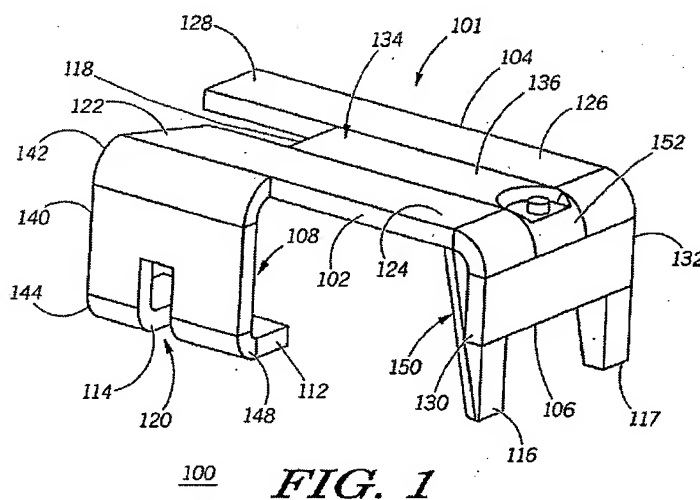
The Final Office Action dated May 29, 2008, lists the following objections and rejections: the drawings stand objected to under 37 C.F.R. § 1.83(a) for allegedly failing to show every feature of claim 18; claim 7 stands objected to for informalities; claims 1, 3, 6, 7, 9, 12-14 and 16 stand rejected under 35 U.S.C. § 102(e) over the Tracy reference (U.S. Pub. No. 2004/0252062); claims 2 and 8 stand rejected under 35 U.S.C. § 103(a) over Tracy in view of the Hayes reference (U.S. Pat. No. 6,662,028); claims 4 and 10 stand rejected under 35 U.S.C. § 103(a) over Tracy; claims 5 and 11 stand rejected under 35 U.S.C. § 103(a) over Tracy in view of the Boyle reference (U.S. Pub. No. 2003/0016179); and claims 15 and 17-20 stand rejected under 35 U.S.C. § 103(a) over Tracy in view of the Poilasne reference (U.S. Pub. No. 2004/0095281). Applicant respectfully traverses each of these objections and rejections, and unless explicitly stated otherwise.

With regard to the objection to the drawings, Applicant submits that claim elements are required to be shown in the drawings only as necessary for the understanding of the subject matter sought to be patented. *See* 37 C.F.R. § 1.81(a). Furthermore, 37 C.F.R. § 1.83(a) states that, “conventional features disclosed in the description and claims, where their detailed illustration is not essential for a proper understanding of the invention, should be illustrated in the drawing in the form of a graphical drawing symbol or a labeled representation.” Applicant submits that the drawing fully complies with these requirements in that Fig. 3, along with paragraph 0021, indicates where the recited part of the bandwidth broadening resonant circuit may be located (at boxes 32 or 34, between a feed pillar 24, 26 and the shorting pillar 22), and indicates the circuit board (14) on which the remaining portion of the bandwidth broadening resonant circuit resides. The exact details of the bandwidth broadening resonant circuit are not required to understand the recited subject matter. *See* M.P.E.P.

§ 608.02(d). Reconsideration and withdrawal of the objection to the drawings is therefore requested.

With respect to the objection to claim 7, Applicant submits that the present amendment, which has been made without acquiescence and for the purpose of expediting prosecution, renders the objection moot. Because the amendment is clerical in nature and reduces issues for possible appeal without altering the intended claim scope, it is proper for the amendment to be entered after the Final Office Action. Reconsideration and withdrawal of the objection to claim 7 is therefore requested.

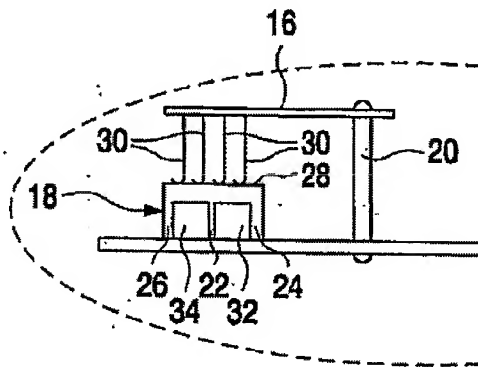
The § 102 rejection of claims 1, 3, 6, 7, 9, 12-14 and 16 over the Tracy reference is improper because there is no correspondence between the teachings of Tracy and several of the aspects recited in Applicant's claims. In particular, the Tracy reference does not disclose an antenna connected by a self supporting member that includes a feed pillar and a shorting pillar, as claimed. Although the Office Action identifies feed element 108 of Tracy's Fig. 1 (reproduced below) as corresponding to the claimed self supporting member, Applicant finds no teaching or suggestion to support such an interpretation. Tracy describes feed element 108 as including a conductive sheet 140 that extends between the connector 142 and the contacts 112 and 114, but includes no discussion or mentioning that the conductive sheet 140 (or any other part of feed element 108) provides or could provide structural support for the antenna. It appears that the only support structure taught by Tracy is support structure 150 (*see, e.g.*, Tracy paragraph 0021).



**Fig. 1 of the Tracy reference**

Furthermore, the Tracy reference does not disclose a self supporting member having at least one feed pillar and a shorting pillar that provide support, as claimed. The Office Action identifies Tracy's feed contact 112 and ground contact 114 as corresponding to the recited feed pillar and shorting pillar. However, Applicant observes that Tracy teaches that the feed contact 112 and ground contact 114 provide contact pad functionality, and does not teach that these provide any support function. Moreover, the Office Action finds no correspondence in Tracy for the feed and shorting pillars extending from the rf circuit to an antenna interface. Applicant observes that the feed contact 112 and ground contact 114 are not shown or described to extend from the rf circuit at all.

Moreover, the Tracy reference does not disclose an antenna connected to an antenna interface by a pressure connection, as claimed. Applicant finds nothing in the Tracy reference to teach or suggest the existence or desirability of any pressure connection, much less a pressure connection between the antenna and the antenna interface (*see, e.g.*, spring contacts 30 connecting antenna 16 to antenna interface 28 in the portion of Applicant's Fig. 3 reproduced below). Indeed, the Office Action provides no indication of correspondence for the claimed pressure connection features at all.



**Portion of Applicant's Fig. 3**

For at least these reasons, the Tracy reference cannot be said to teach or suggest all the elements recited in claims 1, 3, 6, 7, 9, 12-14 and 16. Applicant therefore requests reconsideration and withdrawal of the § 102 rejection.

The remaining rejections are § 103 rejections based on the Tracy reference alone (as to claims 4 and 10), and in combination with Hayes (as to claims 2 and 8), Boyle (as to claims 5 and 11), and Poilasne (as to claims 15 and 17-20). Applicant submits that each of these rejections is improper because none of the proposed combinations or modifications overcome the numerous deficiencies presented by the primary Tracy reference, as noted above, and because no valid reason has been presented. For example, the Hayes reference is introduced in an attempt to address the admitted failure of Tracy to disclose the claimed features relating to a dual band, dual feed antenna and where the self supporting member has two feed pillars, one positioned on each side of the shorting pillar. However, none of the feed or ground connections indicated in the Hayes reference are taught to provide a support function. Likewise, neither the Boyle reference nor the Poilansne reference appears to provide any teaching to address the insufficiencies of the Tracy reference in a manner that would lead one of skill in the art to make the claimed invention.

For at least these reasons, the § 103 rejections are improper in that the proposed combinations or modifications do not teach or suggest all the elements recited in the rejected claims. Applicant therefore requests reconsideration and withdrawal of these rejections.

In view of the remarks above, Applicant believes that each of the rejections has been overcome and the application is in condition for allowance. Should there be any remaining issues that could be readily addressed over the telephone, the Examiner is asked to contact the agent overseeing the application file, Peter Zawilski, of NXP Corporation at (408) 474-9063 (or the undersigned).

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